

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2891	"345/204".OCLS.	US-PGPUB; USPAT	OR	ON	2007/07/20 08:59
S2	13	((SEIICHI) near2 (MIZUKOSHI)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/20 08:59
S3	59	((NOBUYUKI) near2 (MORI)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/20 08:59
S4	3	((KOUICHI) near2 (ONOMURA)).INV.	USPAT; USOCR	OR	ON	2008/06/19 15:19
S5	7	((MAKOTO) near2 (KOHNO)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/20 09:00
S6	1471	estimation near1 circuit\$4	US-PGPUB; USPAT	OR	ON	2007/07/20 09:00
S7	2	estimation near1 circuit\$4 and OLED	US-PGPUB; USPAT	OR	ON	2007/07/20 09:05
S8	0	estimation near1 current and OLED	US-PGPUB; USPAT	OR	ON	2007/07/20 09:05
S9	101	(estima\$3 near5 current) and OLED	US-PGPUB; USPAT	OR	ON	2007/07/20 09:07
S10	87	(estima\$3 near3 current) and OLED	US-PGPUB; USPAT	OR	ON	2007/07/20 09:31
S11	41	(estima\$3 near3 current) and OLED and contrast and bright\$4	US-PGPUB; USPAT	OR	ON	2007/07/20 09:14
S12	702	((estima\$3 or compar\$4) same current) and OLED and contrast and bright\$4	US-PGPUB; USPAT	OR	ON	2007/07/20 09:15
S13	231	((estima\$3 or compar\$4) near3 current) and OLED and contrast and bright\$4	US-PGPUB; USPAT	OR	ON	2007/07/20 09:15
S14	7	S13 and S1	US-PGPUB; USPAT	OR	ON	2007/07/20 09:18
S15	967	(estima\$5 and current) and OLED	US-PGPUB; USPAT	OR	ON	2007/07/20 09:18
S16	18	(estima\$5 and current) and OLED and S1	US-PGPUB; USPAT	OR	ON	2007/07/20 09:18
S17	10	("20020030647"   "20020101395"   "20020105279"   "20020167474"   "20030071804"   "20040070558"   "20040263445"   "6414661"   "6456016"   "6504565").PN. OR ("7161566").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 09:30
S18	643	(estima\$3 near3 current) and EL	US-PGPUB; USPAT	OR	ON	2007/07/20 09:31
S19	48	(estima\$3 near3 current) and EL and "345"/\$5	US-PGPUB; USPAT	OR	ON	2007/07/20 09:33

## EAST Search History

S20	7	((("5734361") or ("6690344") or ("6580407") or ("5734361") or ("6787983"))).PN. or (2003/011742).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/20 09:36
S21	2	("6952193").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/20 10:34
S22	3	("5734361"   "6580407"   "6690344").PN. OR ("6952193").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 13:03
S23	0	(2003/0071804).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/20 13:04
S24	2	("20030071804").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/20 13:04
S25	812280	brightness and contrast correction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/23 07:21
S26	2	("6952193").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/23 07:22
S27	1632	345/204.ccls.	USPAT; USOCR	OR	ON	2008/02/19 15:00
S28	8282	OLED	USPAT; USOCR	OR	ON	2008/02/19 15:00
S29	8945	345/5\$.ccls.	USPAT; USOCR	OR	ON	2008/02/19 15:01
S30	85	S28 and S29	USPAT; USOCR	OR	ON	2008/02/19 15:02
S31	16	S28 and S29 and current and contrast and brightness	USPAT; USOCR	OR	ON	2008/02/19 15:03

## EAST Search History

S32	16	S28 and S29 and current and contrast and brightness	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:03
S33	4	S28 and S29 and current and contrast and brightness and estima\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:07
S34	5	2002-116732	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:09
S35	8282	S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:09
S36	5	S28 and (current near3 (control regulat\$4)) and (contrast and brightness) and (estimat\$4 near2 current)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:28
S37	35	("20020047550"   "20020167474"   "20020171611"   "20030016201"   "20030048243"   "20030071804"   "20030071821"   "20030122813"   "20040070558"   "20040150590"   "20040150594"   "4471347"   "4751659"   "4769292"   "5061569"   "5159525"   "5216504"   "5281960"   "5428370"   "5521639"   "5592215"   "5594463"   "5739809"   "5742339"   "5910792"   "6057924"   "6097462"   "6229508"   "6335713"   "6344930"   "6414661"   "6456016"   "6504565"   "6518962"   "6870323").PN. OR ("6995519").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:17
S38	0	"10812546"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:22

## EAST Search History

S39	2	"10/812546"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:22
S40	0	S28 and (current near3 (control regulat\$4)) and (contrast and brightness) and (estimat\$4 near2 current) and (multipl\$4 and adder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:29
S41	13	("20020167474"   "20030048243"   "20040150590"   "5594463"   "5796376"   "5805117"   "6310589"   "6337542"   "6369786"   "6376994"   "6414661"   "6486607"   "6747618").PN. OR ("7262753").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:35
S42	27933	(average near2 current)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:40
S43	238	S42 and oled	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:35
S44	69	S42 and oled and (brightness and contrast)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:35
S45	170	(average near1 current) and oled	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:41
S47	11	(average near1 current) and oled and gamm\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 16:02
S48	119	((average near3 current) or (sum near3 current)) and oled and (contrast and brightness)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 16:13
S49	212	((average near3 current) or (sum near3 current)) and el and (contrast and brightness)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 16:13
S50	26	((average near3 current) or (sum near3 current)) and el and (contrast and brightness) and adder	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 10:59
S51	2	"6952193"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 17:31
S52	1	grant near1 sitta	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 10:59
S53	26	oled same contrast same brightness same (active near1 matrix)	US-PGPUB; USPAT	OR	ON	2008/02/26 14:20
S54	0	"10812546"	US-PGPUB; USPAT	OR	ON	2008/02/26 14:20

## EAST Search History

S55	2	"10/812546"	US-PGPUB; USPAT	OR	ON	2008/02/26 15:03
S56	2	"20040070558"	US-PGPUB; USPAT	OR	ON	2008/02/26 15:06
S57	17	((SEIICHI) near2 (MIZUKOSHI)).INV.	US-PGPUB; USPAT	OR	ON	2008/02/29 10:14
S58	5	2003/0122759	USPAT; USOCR	OR	ON	2008/06/19 15:19
S59	1	"20030122759"	USPAT; USOCR	OR	ON	2008/06/19 15:29
S60	1	10/300538	USPAT; USOCR	OR	ON	2008/06/19 15:30
S61	5	2003/0122759	USPAT; USOCR	OR	ON	2008/06/19 15:30
S62	5	2003/0122759	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/19 15:30
S63	19	((SEIICHI) near2 (MIZUKOSHI)).INV.	US-PGPUB; USPAT	OR	ON	2008/12/01 16:54
S64	69	((NOBUYUKI) near2 (MORI)).INV.	US-PGPUB; USPAT	OR	ON	2008/12/01 16:55
S65	3708	345/204.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/01 16:55
S66	14	((KOUICHI) near2 (ONOMURA)).INV.	US-PGPUB; USPAT	OR	ON	2008/12/01 16:55
S67	13	((MAKOTO) near2 (KOHNO)).INV.	US-PGPUB; USPAT	OR	ON	2008/12/01 16:55
S68	2	10/812546	US-PGPUB; USPAT	OR	ON	2008/12/01 17:00
S69	1611	345/211.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/01 17:00
S70	305	active near1 matrix same oled same brightness	US-PGPUB; USPAT	OR	ON	2008/12/02 10:59
S71	152	active near1 matrix same oled same brightness and "345"/\$5.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/02 11:12
S72	1633	345/102.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/02 13:42
S73	2395	345/76.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/02 13:42
S74	400	345/207.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/02 13:42
S75	2632	345/76.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/22 12:50

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S76	327	313/484.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/22 12:50
S77	906	313/498.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/22 12:50
S78	3835	S75 or S76 or S77	US-PGPUB; USPAT	OR	ON	2009/06/22 12:50
S79	20	((SEIICHI) near2 (MIZUKOSHI)).INV.	US-PGPUB; USPAT	OR	ON	2009/06/22 12:51
S80	76	((NOBUYUKI) near2 (MORI)).INV.	US-PGPUB; USPAT	OR	ON	2009/06/22 12:51
S81	14	((KOUICHI) near2 (ONOMURA)).INV.	US-PGPUB; USPAT	OR	ON	2009/06/22 12:51
S82	14	((MAKOTO) near2 (KOHNO)).INV.	US-PGPUB; USPAT	OR	ON	2009/06/22 12:51
S83	6	S79 and S80 and S81 and S82	US-PGPUB; USPAT	OR	ON	2009/06/22 12:51
S84	3	("20050083268"   "6667580"   "6690117"). PN. OR ("7164400").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 12:59
S85	3	10/500374	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:02
S86	4	("5668569"   "6271825"   "6479940").PN. OR ("7304654").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:03
S87	48	("5293159"   "5523769").PN. OR ("5668569").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:04
S88	0	"10812546"	US-PGPUB; USPAT	OR	ON	2009/06/22 13:15
S89	2	"10/812546"	US-PGPUB; USPAT	OR	ON	2009/06/22 13:15
S90	2	"20040070558"	US-PGPUB; USPAT	OR	ON	2009/06/22 13:17
S91	1	"6933912"	US-PGPUB; USPAT	OR	ON	2009/06/22 13:17
S92	6	("20020030647"   "20030020413"   "20030095087"   "20030155866"   "20040051690"   "6778151").PN. OR ("6933912").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:21
S93	2	10/812546	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:26
S94	3	10/300538	US-PGPUB; USPAT	OR	ON	2009/06/22 13:27

## EAST Search History

S95	11	("20010035850"   "5307084"   "5734361"   "6104136"   "6140985"   "6177914"   "6420824"   "6429836"   "6870522").PN. OR ("7009627").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:27
S96	2	09/835194	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:29
S97	7	("2001/0035850").URPN.	USPAT	OR	ON	2009/06/22 13:29
S98	13	("20010033260"   "5546134"   "5550560"   "5699127"   "5734362"   "5760843"   "6075574"   "6111559"   "6278436"   "6289162"   "6399960"   "6608610").PN. OR ("7170477").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:30
S99	7	oled and ((luminance or brightness) and contrast) same (estimat\$4 correct\$5) and 345/77.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:36
S10 0	16	("4489349"   "4731865"   "4769708"   "5083198"   "5200829"   "5410364").PN. OR ("5760843").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:39
S10 2	43	multiplier same adder same contrast same brightness	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 13:56
S10 3	1693	user same select\$4 same contrast same (brightness or luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 14:17
S10 4	8	user same select\$4 same contrast same (brightness or luminance) and 345/77.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 14:20
S10 5	353	user same select\$4 same contrast same (brightness or luminance) and "345"/\$5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 14:24
S10 6	2	09/951834	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 14:35

## EAST Search History

S10 7	4	((luminance or brightness) same contrast) same coefficient and 345/77.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 14:42
S10 8	12	("20030133019"   "4489349"   "5546134"   "5668569"   "5926174"   "6348931"   "6388716"   "6714212"   "6831634"   "6967687"   "7227519"   "7227520").PN. OR ("7400363").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:16
S10 9	1	07-322179	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 15:34
S11 0	18	("20020033830"   "5748802"   "6084567"   "6373533"   "6600470").PN. OR ("6850214").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:34
S11 1	6	("20010015835"   "20020047550"   "6850214"   "7126563"   "7170535"   "7345660").PN. OR ("7518621").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:35
S11 2	64	("2255691"   "3619496"   "3752905"   "3873767"   "3980822"   "4044375"   "4091419"   "4298885").PN. OR ("4489349").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 16:18
S11 3	48	("3621129"   "3800078"   "3873767"   "3914545"   "3979555"   "3983320"   "3984631"   "3996421"   "4090217"   "4126884"   "4135200"   "4253110"   "4356508"   "4442544"   "4450482"   "4451849"   "4489349"   "4499497"   "4682231").PN. OR ("4799106").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 16:38
S11 4	1097	((brightness or luminance) and contrast) and oled and maximum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 16:46
S11 5	13	("20010033260"   "5546134"   "5550560"   "5699127"   "5734362"   "5760843"   "6075574"   "6111559"   "6278436"   "6289162"   "6399960"   "6608610").PN. OR ("7170477").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 16:48
S11 6	22	multiplier and adder and contrast same brightness and oled	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 17:26



## EAST Search History

S11 7	410	OLED same (contrast same brightness)	US-PGPUB; USPAT	OR	ON	2009/06/22 17:37
S11 8	100	OLED same (contrast same brightness) and "345"/\$5.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/22 17:37
S11 9	151	OLED same (contrast same (brightness luminance gamma)) and "345"/\$5.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/22 17:48
S12 0	1	OLED same (contrast same (brightness luminance gamma)) and (multiplier and adder) and "345"/\$5.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/22 17:49
S12 1	1	OLED same (contrast and (brightness luminance gamma)) and (multiplier and adder) and "345"/\$5.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/22 17:50
S12 2	22	OLED and (contrast and (brightness luminance gamma)) and (multiplier and adder) and "345"/\$5.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/22 17:50
S12 3	3	("20050083268"   "6667580"   "6690117").PN. OR ("7164400").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 17:50
S12 4	2	09/835194	US-PGPUB; USPAT	OR	ON	2009/06/22 17:56
S12 5	5	2002-116732	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 17:57
S12 6	4	2000-306504	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 17:58
S12 7	5	("6479940"   "6587087"   "6670773").PN. OR ("6806852").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 18:00
S12 8	1	06-136310	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 18:01
S12 9	1	07-322179	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 18:01

## EAST Search History

S13 0	0	07-0322179	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 18:02
S13 1	3	7-322179	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 18:02
S13 2	11	("3833297"   "5257108"   "5658062"   "5717422"   "6614475"   "6631995"   "6634757"   "6694104"   "6747708").PN. OR ("7093941").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 18:04
S13 3	5414	(oled or el or organic) and ((brightness luminanc\$4 gamma) and contrast) and current same (max maximum)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 18:07
S13 4	559	(oled or el or organic) and ((brightness luminanc\$4 gamma) and contrast) and current same (max maximum) and "345"/\$5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 18:08
S13 5	70	(oled or el or organic) and ((brightness luminanc\$4 gamma) and contrast) and current same (max maximum) and (adder or multiplier) and "345"/\$5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 18:08